Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/21/2020 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124854	-1	1.94	124903	1.96
Blue	F	SSC	125000	125218	0	1.80	125963	1.75
Blue	E	FITC	15892	15404	-4	2.74	337	19.81
Blue	D	PE	29999	29391	-3	1.96	643	14.76
Blue	B	PerCP-Cy5-5	43732	43534	-1	3.63	1168	20.12
Blue	A	PE-Cy7	30845	31274	1	6.15	600	40.92
Red	C	APC	46112	45171	-3	2.48	1596	12.13
Red	A	APC-Cy7	30458	29669	-3	2.39	784	11.89
Violet	B	V450	7918	7526	-5	4.30	424	13.25
Violet	A	V500	32171	31035	-4	4.05	726	10.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17538	9.30	621	0	N/A	N/A	Pass
Blue	F	SSC	57004	1.31	561	2	N/A	N/A	Pass
Blue	E	FITC	62	65.51	542	-1	0.0216	217	Pass
Blue	D	PE	133	49.96	548	0	0.1610	266	Pass
Blue	B	PerCP-Cy5-5	216	49.75	656	0	0.0094	78	Pass
Blue	A	PE-Cy7	112	100.12	700	2	0.0107	12	Pass
Red	C	APC	378	25.10	588	4	0.0242	121	Pass
Red	A	APC-Cy7	172	29.65	560	4	0.0058	1444	Pass
Violet	B	V450	64	58.83	458	0	0.0465	1708	Pass
Violet	A	V500	107	35.30	475	1	0.0222	892	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.69	-32.14	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.46	13.60 - 20.40	N/A	N/A	29.52	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10543

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments